Completed Restoration Projects

Friends Pond Completed 2011
(Bynum Run Watershed)

This project involved the repair of the dam embankment, construction of an emergency spillway and the installation of an aquatic bench for marsh plantings, a safety bench, a paved trail and timber boardwalk.

Bynum Ridge Stream Stabilization Completed 2011
(Bynum Run Watershed)

A section of Bynum Run within the Bynum Ridge subdivision was experiencing bank erosion causing the failure of previously-constructed concrete bank revetments. This project removed the old revetments and replaced them with imbricated riprap, coir fiber logs and vegetative plantings. These techniques provide water quality and habitat value as well as providing bank stability.

Hickory Elementary School Rain Garden Completed 2011
(Deer Creek Watershed)

A rain garden was constructed to treat stormwater runoff from a school parking lot. Each student in the school participated in planting the native vegetation and flowers.

Forest Hill Elementary School Rain Garden Completed 2011
(Deer Creek Watershed)

Several rain gardens were constructed to treat stormwater runoff from the parking lots. Gifted and Talented students helped with the design of the gardens and every student in the school participated in planting the native vegetation and flowers.

Plumtree Run at Tollgate Road Stream Restoration Completed 2011
(Plumtree Run Watershed)

This project involved the restoration of 2000 linear feet of the mainstem of Plumtree Run. Structural measures included stone toe protection, imbricated rip rap and step pool structures. The project also included fencing to minimize livestock access, two constructed wetlands and stream buffer plantings.

Abingdon Library Completed 2010
(Winters Run Watershed)

A rain garden was constructed adjacent to the parking lot to treat stormwater runoff from the library roof.

Laurel Valley Stream Restoration Completed 2009
(Bynum Run Watershed)

Approximately 1,200 linear feet of eroded stream channel was restored utilizing structural measures including imbricated rip rap, stone toe protection, log drop structures and rock weirs. Trees and shrubs were planted in the riparian buffer.

Plumtree Run Invasive Species Management Completed 2009
(Plumtree Run Watershed)

Invasive plant species were removed along 1000 linear feet of Plumtree Run downstream of Tollgate Rd. This project involved three consecutive years of chemical and mechanical removal of invasive species in the riparian buffer, in preparation for a stream restoration project.

Laurel Valley Stormwater Retrofit Completed 2005
(Bynum Run Watershed)

An existing recreational pond in the Laurel Valley subdivision was modified to temporarily store stormflow and release the water more gradually into the receiving stream. Additionally, trees and shrubs were planted around the perimeter of the pond to improve pollutant uptake from overland flow and a forebay was added to trap sediment entering the pond.

Laurel Valley Bioretention Completed 2005
(Bynum Run Watershed)

A triple-cell bioretention facility was constructed in the Laurel Valley subdivision open space. This facility treats a portion of the stormwater from the stormdrain system as well as overland flow.

Harford Center Pocket Wetland Completed 2004
(Swan Creek Watershed)

A small shallow wetland was constructed at the intersection of MD Rt 155 and Earlton Rd. The wetland treats runoff from Rt 155 before discharging to an ephemeral stream.

Harford Center Bioretention Completed 2004
(Swan Creek Watershed)

A two-celled bioretention system was constructed on the Harford Center property in Havre de Grace. The bioretention treats runoff generated by the parking lot. In addition, an asphalt path, a bridge and benches were constructed to allow wheelchair access for the clients of Harford Center.

Box Hill – South Tributary Stream Restoration Completed October 2003
(Bynum Run Watershed)
This project involved the restoration of 1,100 linear feet of a tributary to Bynum Run on the south side of the Box Hill North subdivision. The stream was experiencing downcutting and widening as a result of uncontrolled stormwater runoff. The banks and stream bed were stabilized using a variety of techniques such as step-pools, rock weirs and imbricated riprap.

Haverhill Channel Stabilization Completed 2003
(Foster Branch Watershed)

A severely eroding drainage channel in Joppatowne was stabilized using a series of gabion drop structures. Prior to stabilization, the eroding 725 linear foot drainage channel was a significant source of sediment to Foster Branch.

Mt Royal Stream Restoration Completed 2002
(Swan Creek Watershed)

An unnamed tributary of Swan Creek, located on Aberdeen Middle School property was restored through the use of channel and bank grading, rock weirs and coir fiber rolls. The project is located immediately downstream of a constructed shallow marsh.

Stillmeadow Channel Stabilization Completed 2001
(Foster Branch Watershed)

This unnamed tributary to Foster Branch had a significant channel headcut at a stormdrain outfall and spot erosion at outside bends of the channel. This project involved the construction of a drop manhole at the stormdrain outfall and installation of crib walls and toe protection at the eroding bends.

Mt Royal Shallow Marsh Completed 2001
(Swan Creek Watershed)

A shallow marsh was constructed on the Aberdeen Middle School property. The marsh treats uncontrolled stormwater from a medium-density residential development and from MD Rt 22.